WHAT IS CLAIMED IS:

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2	job entity, comprising:
3	establishing a repository of attributes and status information associated with
4	each print job that passes through a printer system; and
5	providing an interface to a plurality of components to allow access to the
6	attributes and status information in the repository by the plurality of components.
1	An apparatus for providing printer recognition and management of a
2	print job entity, comprising:
3	a repository of attributes and status information associated with each print job
4	that passes through a printer system; and
5	an interface to a plurality of components, the interface providing access to the
6	attributes and status information in the repository by the plurality of components.
1	3. The apparatus of claim 2 wherein the interface comprises at least one
2	of a Web Page channel, a multiplexer to manage the routing of jobs to the print
3	engine and a spooler, a job control function interface, a pipeline interface, an
4	operations panel interface and a pull print interface.

A method for providing printer recognition and management of a print

components to process a job according to requirements of the component and

reports job attributes and processing status of the job for common access by other

The apparatus of claim 2 wherein the interface provides an ability for

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components.

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1 5. The apparatus of claim 2 wherein the interface provides access to 2 maintained job variable to the components. 1 6. The apparatus of claim 2 wherein the interface provides a component 2 access to common variables, the components presenting job attributes or status to 3 the interface. 1 7. The apparatus of claim 6 wherein the attributes are presented 2 according to requirements dictated by the interface 1 8. The apparatus of claim 2 wherein the interface provides the ability for 2 components to create job entries, obtain and set job attributes, manipulate the state 3 and status of jobs in the system, and obtain job ordering information pertinent to the 4 calling component. 1 9. The apparatus of claim 2 wherein the repository provides a global view 2 of jobs within the printer, the global view includes an actively printing job, jobs in the 3 process of being spooled, jobs on the spool queue, and jobs on the pull print queue. 1 10. The apparatus of claim 2 wherein the interface accommodates either 2 implementation of port connection managers and pass job information from a port 3 connection manager to the repository.

The apparatus of claim 2 wherein the interface cancels jobs.

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1 12. The apparatus of claim 11 wherein a cancelled job comprises a current 2 job. 1 13. The apparatus of claim 11 wherein a cancelled job comprises a job 2 having a selected attribute. 1 14. The apparatus of claim 2 wherein the a repository and interface are 2 provided by a job monitor, the job monitor further providing logical views to obtain a next job to be processed by a component and to obtain a list of all jobs in the order 3 4 that they are processed. 1 15. The apparatus of claim 2 wherein the job monitor obtains a Job 2 identification, performs a query for attributes of a job, updates job attributes, cancels 3 jobs, provides logical views of a job, handles printer events, gets attributes of the 4 printer and sets printer attributes. 1 16. The apparatus of claim 15 wherein the attributes are updated through 2 the job monitor. 1 17. The apparatus of claim 15 wherein the job monitor provides the ability 2 for any component to set job attributes. 1 18. The apparatus of claim 15 wherein the job monitor uses job states to 2 control the flow of jobs.

'	re. The apparatus of claim to wherein the Job monitor responds to a
2	component call, determines a next job to process, the component determining valid
3	states for a call.
1	20. An article of manufacture comprising a program storage medium
2	readable by a computer, the medium tangibly embodying one or more programs of
3	instructions executable by the computer to perform a method for providing printer
4	recognition and management of a print job entity, the method comprising:
5	establishing a repository of attributes and status information associated with
6	each print job that passes through a printer system; and
7	providing an interface to a plurality of components to allow access to the
8	attributes and status information in the repository by the plurality of components.